09-07-06

ustomer No.: 07278

Docket No. 06727/100J782-US5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Ehud Cohen

Application No.: 10/722,589

Confirmation Number:

Filed: November 25, 2003

Art Unit: 3766

For: TREATMENT OF DISORDERS BY

Examiner: M. Bockelman

UNIDIRECTIONAL NERVE STIMULATION

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed: (Check one of the boxes A-D)

- []A. Within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.
- [] B. before the mailing date of a first office action on the merits, or a first office action after filing a request for continued examination.
- [x] C. after (A) and (B) above, but before, final rejection or allowance, and Applicants have made the necessary statement in box "i" below or paid the necessary fee in box "ii" below.

(check one of the boxes "i" and "ii" below:)

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Counsel states that, upon information and belief, each item of [] i. information listed herein was (check one of boxes (a) or (b)) [] (a) first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS. [x] ii. A check for the fee set forth in 1. 17(p), presently believed to be \$180, is enclosed. after (A), (B) and (C) above, but before payment of the issue fee: Applicant petitions under 37 C.F.R. 1.97(d) for the consideration of this IDS. Under 37 CFR 1.17(i) a check in the amount of \$180.00 is enclosed. Counsel certifies that, upon information and belief, each item of information listed herein was (check one of boxes (a) or (b)) [] (a) first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or [] (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS. 2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO/SB/08) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below. (check boxes A, B and/or C and fill in blanks, if appropriate.) [x] A. Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. § 1.98(a)(2)(i), a copy/copies of the United States Patent on PTO/SB08 is/are not being submitted. Document(s) is (are) deemed substantially [] B. cumulative to document(s), and, in accordance with

[] C. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:

1.98(c), only a copy of each of the latter documents is enclosed.

[SERIAL NO. & FILING DATE].

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Applicant identifies these documents by attaching hereto copies of the forms PTO-892, PTO-1449 and/or PTO/SB/08 from the files of the prior application(s) or a fresh PTO/SB/08 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application. [] 3. Cite Nos. _____ are not in the English language. In accordance with 1.98(c), Applicant states: An English translation of each document (or of the pertinent П portions thereof), or a copy of each corresponding Englishlanguage patent or application, or English-language abstract (or claim) is enclosed. The requirement for a concise explanation of the relevance of any foreign language document is satisfied by the attached search report; citation of the documents cited in the search report shall not be construed as an admission that they are or are considered to be, material to patentability of the subject matter claimed herein (See MPEP §609). A concise explanation of the relevance of document(s) is set forth as follows: [Insert concise explanation of relevancel A concise explanation of the relevance of document(s) can Π be found on page(s) _____ of the specification. A concise explanation of document(s) can be found on the attached sheet. [] 4. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 in the preamble to the final rules; 1135 OG 13 at 20). [] 5. Other information being provided for the examiner's consideration follows: [A/An _____, which issued during the prosecution of _____ Application No.____ which corresponds to the present application.] 6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited

document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the

date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

CROSS REFERENCE UNDER 37 C.F.R. §1.78 TO RELATED APPLICATIONS

Pursuant to 37 C.F.R. (1.78, Applicant notes that the above-identified paten
application may be related to the	following U.S. Patent Applications:
(1) U.S. Provisional App	cation Serial No, filed
Early and favorable cons	deration is earnestly solicited.
September 5, 2006	Respectfully submitted, S. Peter Ludwig
	Registration No. 25,351

Attorney for Applicant(s)

DARBY & DARBY P.C. P.O. Box 5257 New York, N.Y. 10150-5257 (212) 527-7700

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of

Complete if Known				
Application Number	10/722,589			
Filing Date	November 25, 2003			
First Named Inventor	Ehud Cohen			
Art Unit	3766			
Examiner Name	M. Bockelman			
Attorney Docket Number	06727/100J782-US5			

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-6,272,377	08-07-2001	Sweeney et al.	
	AB*	US-5,411,531		Hill et al.	
	AC*	US-2002/0035335	03/2002		
	AD*	US-6,628,987	09-30-2003	Hill et al.	
	AE*	US-6,542,774-A1	04-01-2003	Hill et al.	
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	AY*	US-5,170,802	12-15-1992	Mehra	
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	AH1*	US-20060129205-A1	06-15-2006	Boveja et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	ВА	EP 0831954				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. 'Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/B/PTO				Complete if Known		
				Application Number	10/722,589	
IN	IFORMATION	I DI	SCLOSURE	Filing Date	November 25, 2003	
S	STATEMENT BY APPLICANT			First Named Inventor	Ehud Cohen	
				Art Unit	3766	
(Use as many sheets as necessary)			s necessary)	Examiner Name	M. Bockelman	
Sheet	2	of	2	Attorney Docket Number	06727/100J782-US5	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	CA	Carlson MD et al., "Selective stimulation of parasympathetic nerve fibers to the human sinoatrial node," Circuation 85:1311-1317 (1992).	
	СВ	Page PL et al., "Regional distribution of atrial electrical changes induced by stimulation of extracardiac and intracardiac neural elements," J Thorac Cardiovasc Surg. 109(2):377-88 (1995).	
	CC	Furukawa Y et al., "Differential blocking effects of atropine and gallamine on negative chrontropic and dromotropic responses to vagus stimulation in anesthetized dogs," J Pharmacol Exp. Ther. 251(3):797-802 (1989).	
	CD	Bluemel KM, "Parasympathetic postganglionic pathways to the sinoatrial node, " J Physiol. 259 (5 Pt 2): H1504-10 (1990).	
	CE	Mazgalev TN, "AV Nodal Physiology," Heart Rhythm Society (www.hrsonline.org), no date.	
	CF	Bibevski S et al. "Ganglionic Mechanisms Contribute to Diminished Vagal Control in Heart Failure," Circulation 99:2958-2963 (1999).	
	CG	Garrigue S et al., "Post-ganglionic vagal stimulation of the atrioventricular node reduces ventricular rate during atrial fibrillation, "Pace 21(4), Part II, 878 (1998).	
	СН	Chen SA et al., "Intracardiac stimulation of human parasympathetic nerve fibers induces negative dromotropic effects: implication with the lesions of radiofrequency catheter ablation," J Cardiovasc Electrophysiol. 9(3):245-52 (1998).	
-	CI	Cooper et al., "Neural effects on sinus rate and atrial ventricular conduction produced by electrical stimulation from a transvenous electrode catheter in the canine right pulmonary artery" Circ Res Vol. 46(1):48-57 (1980).	
	CJ	Waninger MS et al., "Electrophysiological control of ventricular rate during atrial fibrillation," PACE 23:1239-1244 (2000).	
	СК	Goldberger JJ et al., "New technique for vagal nerve stimulation," J Neurosci Methods. 91(1-2):1089-14 (1999).	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	Date
Signature	Considered

^{&#}x27;Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Attorney Docket No.: 06727/100J782-US5

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